

VASIL'CHENKO, G.V.; SHIMKO, K.I.

Analogies in solving certain problems of the theory of elasticity
and hydrodynamics. Inzh.fiz.zhur. 4 no.7:52-59 J1 '61.
(MIRA 14:8)

1. Institut vodnykh problem AN BSSR, Minsk.
(Elasticity) (Hydrodynamics)

VASIL'CHENKO, G.V. [Vasil'chanka, H.V.]

Determining the nature of the approach of a flow to multistage
water-passage structures. Vestsi AN BSSR, Ser. fiz.-tekhn. nav. no.2:
99-05 '62. (MIRA 18:4)

KOVALENKO, Eduard Petrovich; VASIL'CHENKO, G.V., kand. tekhn. nauk,
red.; BARABANOVA, Ye., red.izd-va; ATLAS, A., tekhn.red.

[Investigation of the movement of water in open channels]
Issledovanie dvizheniia vody v otkrytykh ruslakh. Minsk,
Izd-vo AN BSSR, 1963. 223 p. (MIRA 17:2)

VASIL'CHENKO, G.V.

Physical properties of the snow cover in connection with the
cultivation of fruit and berry crops. Izv. Alt. otd. Geog.
ob-va SSSR no.5:130-132 '65. (MIRA 18:12)

1. Altayskaya opytnaya stantsiya sadovodstva.

PERYSHKIN, G.A. [Peryshkin, H.A.]; VASIL'CHENKO, G.V. [Vasil'chanka, H.V.]

Stability of vertical scarps. Vesti AN BSSR. Ser. fiz.-tekh.
nav. no.3:132-137 '61. (MIRA 14:10)
(Soil stabilization)

VASIL'CHENKO, I.

"Safety measures leaflet for miners in horizontal mining" by
IU.A.Onishchenko. Reviewed by I.Vasil'chenko. "Dop.truda v prom.
1 no.6:40 Je' '57. (MIRA 10:7)
(Coal mines and mining--Safety measures) (Onishchenko, IU.A.)

PISKOV, G. and VASIL'CHENKO, I.

Bol'she vnimaniia ekonomike perevozok. [To pay more attention to the economics of transportation]. (Grazhdanskaia aviatsiia, 1940, no. 6, p. 6-8, tables).

DLC: TL504.G7

SO: Soviet Transportation and Communications. A Bibliography, Library of Congress, Reference Department, Washington, 1952, Unclassified.

VASIL'CHENKO, I.I.

The UAD asynchronous micromotors. *biul.tekh.-ekon.inform.Gos.*
nauch.-issl.inst.nauch. i tekhn.inform. 16 no.11:57-58 '63.
(MIRA 16:11)

LODOCHNIKOV, E.A., inzh.; FARKHULLIN, N.N., inzh.; VASIL'CHENKO, I.I., inzh.;
LETUNOVSKAYA, A.V., inzh.; VEGERA, inzh.

New series of commercial frequency micromotors. Elektrotehnika 34 no.
12:23-26 D '63. (MIRA 17:1)

VASILENCHENKO, I. I.

(The elimination of irresponsibility in kolkhozes) Rostov na Donu, Severnyi Kavkaz,
1933. 63 p.

BORISOVA, A.G.; VASIL'YEV, V.N.; VASIL'CHENKO, I.T.; KIRPICHNIKOV, M.E.;
LEONOVA, T.G.; LIPSHITS, S.Yu.; TSVELEV, N.N.; CHEREPANOV, S.K.;
SHISHKIN, B.K. [deceased]; BOBROV, Ye.G., prof. doktor biol.nauk,
red. tom.

[Cichorioideae.] Cichorioideae. Moskva, Izd-vo Nauka, 1964. 796 p.
(Flora SSSR, vol.29) (MIRA 18:2)

VASIL'CHENKO, I. T. ; I. M. Krashennnikov; and M. M. Il'in

Botanical Institute imeni V. L. Komarov, Acad Sci USSR

"The Compositae Family"

SOURCE: Sovnyye rasteniya SSSR, 4, pp 183-362, 1935

VASIL'CHENKO, I. T.

Vasil'chenko, I. T.; "On the variety of forms of the wild grape in the Gissar Range", (With editorial comment), Soobshch. Tadzh. filiala Akad. nauk SSSR, Issue 10, 1948, p. 11-13, - Bibliog: 8 items.

SO: U-3042, 11 March 53, (Letopis 'nykh Statey, No. 10, 1949).

VASIL'CHENKO, I. T.

PA 47/49TH

CHINA/Agriculture
Alfalfa

Jan 49

"Wild-Growing Perennial Alfalfa in China," I. T.
Vasil'chenko, 1 p

"Priroda" No 1

Establishes that: (1) wild-growing alfalfa is present in China in the region from Eastern Tien Shan to Pei-p'ing; (2) these types are very close to types and groups known in USSR; and (3) wild-growing alfalfa attaches itself to mountain ranges, weaving through Central Asia in a latitudinal direction from west to south (along

47/49TH

CHINA/Agriculture (Contd)

Jan 49

the line of the Eastern Tien Shan, Nan Shan, and Pei-p'ing mountains).

47/49TH

VASIL'CHENKO, I. T.

Vasil'chenko, I. T. "A new species of alfalfa from Dagestan," Botan. materialy Gerbariya Botan. in-ta im. Komarova Akad. nauk SSSR, Vol. XI, 1949, p. 100-01

SO- U-4934, 29 Oct 53, (Letopis 'Zhurnal 'nykh Statey, No. 16, 1949).

VASIL'CHENKO, I. T.

Vasil'chenko, I. T.- "New species of leguminous flora of the USSR," Botan. materialy
Gerbariya Botan. in-ta im. Komarova Akad. nauk SSSR, Vol. XI, 1949, p. 120-21

SO: U-4934, 27 Oct 53, (Letopis 'Zhurnal 'nykh Statey, No. 16, 1949).

VASIE'CHENKO, I. T.

Vasil'chenko, I. T.- "On a new variety of acanthocephalus Benthani (Acanthocephalus Benthaminus Rgl.) Botan. materialy Gerbariya Botan. in-ta im. Komarova Akad. nauk SSSR, Vol. XI, 1949, p. 174-75

SO: U-4934, 29 Oct 53, (Letopis '4hurnal 'nykh Statey, No. 16, 1949).

BLINOVSKIY, K.V.; BORISOVA, A.G.; VASIL'CHENKO, I.T.; MEFFERT, V.V.;
NIKITIN, V.V.; POYARKOVA, A.I.; SHAPARENKO, K.K.; FEDCHENKO, B.A.;
SHISHKIN, B.K.; ENDEN, O.A.; VASIL'YEV, A.O., tekhnicheskiy redaktor;
PETROVA, K.T., tekhnicheskiy redaktor

[Flora of Turkmenistan] Flora Turkmenii. Ashkhabad, Izd-vo Turkmen-
skogo filiala Akad.nauk SSSR. Vol.4. 1950. 271 p. (MIRA 10:7)

1. Chlen-korrespondent Akademii nauk SSSR (for Shishkin)
(Turkmenistan--Botany)

— VASIL'CHENKO, I. T.

Science

Transactions of the First All-Union conference of botanists and selectionists, March 24-27, 1950. Redkatsionnaia komissia: I. T. Vasil'chenko, Moskva, Izd-vo Akademii nauk SSSR. Vol 1, 1951.

Monthly List of Russian Accessions, Library of Congress, June 1952. Unclassified.

VASIL'CHENKO, I. T.

Herbs

New species and sections of the genus fenugreek. Bot. mat. Gerb., 14, 1951.

Monthly List of Russian Accessions, Library of Congress, November 1952 Unclassified.

VASIL'CHENKO, I.T.; MEVERT, V.V. [deceased]; KOTOV, M.I.

Amaranth family (Amaranthaceae Juss.). Flora URSS 4:400-414 '52.
(Ukraine--Amaranth) (MLRA 7:12)

VASIL'CHENKO, I.T.

Survey of species of the genus *Trigonella* L. Trudy Bot.inst. Ser. 1 no.10:
124-269 '53.

(MLRA 6:7)

(*Trigonella*)

VASIL'CHENKO, I.T.

New species of Roegneria from Central Asia. Bot. ant. Gerb. 15:36-38
'53. (MLRA 7:2)

(Asia, Central--Grasses) (Grasses--Asia, Central)

VASIL'CHENKO, I.T.

Forms of *Draba nemorosa* L. Bot.zat.Gerb. 15:54-61 '53.

(MLRA 7:2)

(Brassicaceae)

VASIL'CHENKO, I.T.

Problem of the classification of *Amygdalus ulmifolia* (Franch.)
M.Pop. Bot.mat.Gerb. 15:132-144 '53. (MLRA 7:2)
(Almond)

SHISHKIN, B. K., redaktor; KUPREVICH, V. F., redaktor; LARIN, I. V. zasluzh. dayat. nauki. prof; redaktor; VASIL'CHENKO, I. T., professor, doktor biologicheskikh nauk, redaktor; GOLDOVIN, M. I., redaktor; MOLODTSOVA, N. G., tekhnicheskii redaktor.

[Proceedings of the First All-Union Conference of Botanists and Plant Breeders, March 24-27, 1950] Materialy Pervogo Vsesoiuznogo Soveshchaniia botanikov i selektsionerov 24-27 marta 1950 g. Redaktsionnaia komissia: B. K. Shishkin, i dr. Moskva, Izd-vo Akademii nauk SSSR. Vol. 3. 1954. 119 p. (MLRA 8:7)

1. Chlen-korrespondenty AN SSSR (for Shishkin, Kuprevich)
(Botany--Congresses)

VASIL'CHENKO, I.T.

Jacquemont cherry in the U.S.S.R. Bot.mat.Gerb. no.16:192-
197 '54.

(MLBA 8:9)

(Cherry)

VASIL'CHENKO, I. T.

Notes on *Ampelopsis vitifolia* (Boiss.) Planch. Bot. mat. Gerb.
16:237-240 '54. (MIRA 8:9)

(*Ampelopsis*)

VASIL'CHENKO, I.T.

Genus Hypogomphia. Flora SSSR 20:491-493 '54. (MLRA 7:7)
(Labiatae)

VASIL'CHENKO, I.T.

Wild plants of the U.S.S.R. as raw material for selection and
experimental crops. Bot.zhur. 39 no.3:317-325 My-Je '54.
(MLRA 7:7)

1. Botanicheskiy institut im. V.I.Komarova Akademii nauk SSSR,
Leningrad.
(Botany, Economic)

VASIL'CHENKO, I.T.

Rate of the process of species formation. Bot.zhur. 39 no.6:
852-866 N-D '54. (MLRA 8:2)
(Origin of species)

VASIL'CHENKO, I. T.

New varieties in cherry culture Moskva, Akad. nauk SSSR, 1954. 65 p.
(Nauchno-populiarnaia seriia)

1. Cherry

VASIL'CHENKO, I.T.

~~Aflatus~~ Aflatunia, a new genus of Rosaceae. Bot.mat.Gerb. 17:260-262 '55.
(MlDa 9:5)

(Rosaceae)

VASIL'CHENKO, I.T.

New species of rattle. Bot.mat.Gerb. 17:376-379 '55. (MLRA 9:5)
(Rhinanthus)

VYKHODTSEV, I.V.; VASIL'CHENKO, I.T., doktor biologicheskikh nauk, professor,
glavnyy redaktor; PROTOPOLY, G.F., redaktor; TSYBINA, Ye.V., tekhnicheskii redaktor

[Vegetation of pastures and hay fields of Kirghizistan] Rastitel'nost'
pastbishch i senokosov Kirgizskoi SSR. Frunze, Akademiya nauk Kirgizskoi SSR, 1956. 336 p.
(Kirgizistan--Pastures and meadows) (MLA 10:1)

VASIL'CHENKO, I.T.

Heterophylly in pears as representatives of the genus *Pyrus* L.
Bot.zhur.41 no.4:549-552 Ap '56. (MIRA 9:9)

1.Botanicheskiy institut imeni V.L.Komareva Akademii nauk SSSR,
Leningrad.
(Pears) (Leaves)

VASIL'CHENKO, I.T., DZHANGURAZOV, F.Kh.

The puzzle of Biota. Bot.zhur.42 no.1:88-91 Ja '57. (MLRA 10:2)

1. Botanicheskiy institut imeni V.L.Komarova Akademii nauk SSSR,
Leningrad.

(Thuja)

VASIL'CHENKO, I. T.

Family Cucurbitaceae. Flora SSSR 24:91-125 '57. (MLRA 10:7)
(Cucurbitaceae)

VASIL'CHENKO, I.T.

Systematic position of the genus *Niedzvedzkia* B. Fedtsch. Bot. mat.
Gerb. 18:219-224 '57. (MIRA 10:6)

(Chu-Ili Mountains--Bignonia)

VASIL'CHENKO, I.T.

Notes on some Chinese grape species. Bot. mat. Gerb. 18:163-169 '57.
(China--Grapes) (MIRA 10:6)

VASIL'CHENKO, I.T.

New plants in the flora of Tupalang. Bot. mat. Gerb. 18:13-19 '57.
(Tupalang Valley--Botany) (MIRA 10:6)

VASIL'CHENKO, I. T.

IKONNIKOV, S.S.; ISMAILOV, M.; KNORRING, I.G.; KOROL'VA, A.S.; KUDRYASHEV, S.N.; MALEYEV, V.P.; MASLENNIKOVA, T.I.; NEVSKIY, S.A.; NIKITIN, V.A.; OVCHINNIKOV, P.N.; PLESHKO, S.I.; POPOV, N.G.; SIDORENKO, G.T.; CHUKAVINA, A.P.; SHIBKOVA, I.P.; BORISOVA, A.G., redaktor; VASIL'CHENKO, I.T., redaktor; NEUSTRUYEVA, O.E., redaktor; ZENDEL', R.Ye., ~~tekhnicheskiy~~ redaktor

[Flora of the Tajik S.S.R.] Flora Tadzhikskoi SSR. Moskva, Izd-vo Akad.nauk SSSR. Vol.1. [Pteridophyta - Gramineae] Paprotnikoobraznye-slaki. Glav.red. P.N.Ovchinnikov. 1957. 547 p. (MIRA 10:9)
(Tajikistan--Botany)

VASIL'CHENKO, I.T.; SHISHKIN, B.K., red.; ARONS, R.A., tekhn.red.

[New varieties of pears for cultivation] Novye dlia kul'tury vidy
grushi. Moskva, Izd-vo Akad.nauk SSSR, 1957. 102 p. (MIRA 10:11)

1. Chlen-korrespondent AN SSSR. (for Shishkin).
(Pear)

V.A. ...
ISACHENKO, Boris Lavrent'yevich, akademik; BONDARTSEV, A.S., prof., red.;
~~VASILICHENKO, I.T.~~ prof., red.; SAVICH, V.P., prof., red.;
YUZEPCHUK, S.V., prof., red.; YAKOVLEVA, V.M., red.izdva; BLEYKH,
M.Yu., tekhn.red.

[Selected works] Izbrannye trudy. Moskva, Izd-vo Akad.nauk SSSR.
Vol.3. 1957. 301 p. (MIRA 11:2)
(Botany)

VASIL'CHENKO, I.T.

Fruit forests of southern Kirghizia. Okhr. prir. i zapov. delo v
SSSR no.2:25-33 '57. (MLRA 10:8)

1. Botanicheskiy institut Akademii nauk SSSR,
(Dzhalsal-Abad Province--Forest reserves) (Fruit) (Nuts)

KOMAROV, V.L., akademik, glavnyy red.; SHISHKIN, B.K., red. izdaniya;
BOBROV, Ye.G., doktor biol.nauk, prof.red.; VASIL'CHENKO, I.T.,
red.; GORSHEKOVA, S.G., red.; GRIGOR'YEV, Yu.S., red.; ~~GRIGOR'YEV, I.L.~~
red.; DOROFYEV, P.I., red.; IL'INSKAYA, I.A., red.; KLOKOV, M.V.,
red.; KUPRIYANOVA, L.A., red.; LINCHEVSKIY, I.A., red.; NOVOPOKROV-
SKIY, I.V., red.; POBEDINOVA, Ye.G., red.; POPOV, M.G., red.;
POYARKOVA, A.I., red.; SHTEYNBERG, Ye.I., red.; TSVELEV, N.N., red.;
SMIRNOVA, A.V., tekhn.red.

[Flora of the U.S.S.R.] Flora SSSR. Moskva, Izd-vo Akad. nauk
SSSR, 1958. 775 p.

(MIRA 12:7)

1. Chlen-korrespondent AN SSSR (for Shishkin).
(Botany)

USSR / Cultivated Plants. Fruit Trees. Small
Fruit Trees.

M-7

Abs Jour: Ref Zhur-Biol., 1958, No 16, 73150.

Author : Vasil'chenko, I. T.

Inst : Not given.

Title : On the Problem of Leaf Modification in the Walnut
Juglans Regia L.

Orig Pub: Botan. zh., 1958, 43, No 2, 287-290.

Abstract: No abstract.

Card 1/1

VASIL' CHENKO, I.T.

Intraspecific categories [with summary in English]. Trudy Bot. inst.
Ser. 1 no.12:132-166 '58. (MIRA 11:7)
(Botany--Classification)

BOBROV, Ye.G., doktor biol.nauk, prof.; YASIL'CHENKO, I.T.; GORSHEKOVA,
S.G.; GRIGOR'YEV, Yu.S.; GRUBOV, V.I.; DOROFYEV, P.I.; IL'INSKAYA,
I.A.; KLOKOV, M.V.; KUPRIYANOVA, L.A.; LINCHEVSKIY, I.A.;
NOVOPOKROVSKIY, I.V.; POBEDIMOVA, Ye.G.; POPOV, M.G.; POYARKOVA,
A.I.; SHTETYNBERG, Ye.I.; TSVELEV, N.N.; SHISHKIN, B.K., red.
izdaniya; SMIRNOVA,, A.V., tekhn.red.

[Dicotyledons] Dicotyledons. Moskva, Izd-vo Akad.nauk SSSR, 1959.
775 p. (Akademiia nauk SSSR, Botanicheskii institut. Flora SSSR,
vol.23) (MIRA 13:4)

(Dicotyledons)

VASIL'CHENKO, I.T.

Latest botanical comments on chapter 15 of Marco Polo's "Book".
Bot. zhur. 44 no.2:243-249 P '59. (MIRA 12:6)

1. Botanicheskiy institut im. V.L. Komarov. Akademii nauk SSSR,
Leningrad.

(Polo, Marco, 1254-1323?)
(Iran--Yew)

VASIL'CHENKO, I.T.

What should be considered a typical *Prunus divaricata* Ledeb.
Bot.mat.Gerb. 19:225-229 '59. (MIRA 12:8)
(Caucasus--Cherry plum)

VASIL'CHENKO, I.T.

One-hundredth anniversary of the expedition of the Russian Geographical Society to Iran and Afghanistan (the "Khurasan Expedition"). Bot. zhur. no.3:415-418 Mr '59. (MIRA 12:7)

1. Botanicheskiy institut im. V.I. Komarova AN SSSR, Leningrad.
(Iran--Botany) (Afghanistan--Botany)

TOLMACHEV, A.I.; VASIL'CHENKO, I.T., prof., doktor biolog.nauk, otv.
red.; GOLOVNIK, M.I., red.izd-va; YAKOVLEV, V.M., red.izd-va;
BOCHEVER, V.T., tekhn.red.

[Flora of Sakhalin] O flore ostrova Sakhalina. Moskva, Izd-vo
Akad.nauk SSSR, 1959. 101 p. (Komarovskie chteniia, no.12)
(MIRA 12:11)

(Sakhalin--Botany)

VASIL'CHENKO, I.T.

Studying East Asiatic species of the genus Malus Mill., section
Sorbomalus Zab., subsection Kansuenses Rehd. Bot. Mat. Gerb.
19:197-203 '59. (MIRA 12:8)
(China--Apple) (Korea, North--Apple)

BORISOVA, A.G.; BOCHANTSEV, V.P.; VASIL'CHENKO, I.T.; GOLUBKOVA, V.F.;
GORSHKOVA, S.G.; GRUBOV, V.I.; KIRPICHNIKOV, M.E.; SMOL'YANINOVA, L.A.;
TAMAMSHYAN, S.G.; TSYELEV, N.N.; YUZEPCHIK, S.V.; KOMAROV, V.L.,
akademik, glavnyy red.; SHISHKIN, B.K., red.izdaniya; BOBROV, Ye.G.,
doktor biol.nauk, prof., red.; SMIRNOV, A.V., tekhn.red.

[Flora of the U.S.S.R.] Flora SSSR. Moskva, Izd-vo Akad.nauk
SSSR. 1959. 630 p. (MIRA 12:8)

1. Chlen-korrespondent AN SSSR (for Shishkin).
(Compositae)

VASIL'CHENKO, I.T.

"Roses; phylogeny and systematics, spontaneous varieties of the European part of the U.S.S.R., Crimea and Caucasus; experience and prospects of utilization" by V.G. Khrzhanovskii. Reviewed by I.T. Vasil'chenko. Bot. zhur. 44 no.7:1024-1026 J1 '59.
(MIRA 12:12)

1. Botanicheskiy institut im. V.I. Komarova AN SSSR, Leningrad.
(Roses) (Khrzhanovskii, V.G.)

CHERNOVA, Ye.P.; VASIL'CHENKO, I.T., prof., doktor biolog.nauk, otv.red.

[Arctic bramble and its cultivation] Polianika (*Rubus arcticus* L.)
i ee vvedenie v kul'turu. Moskva, Izd-vo Akad.nauk SSSR, 1959.
33 p. (MIRA 13:1)

(Berries)

VASIL'CHENKO, I.T.

Development of trees and shrubs at the timber line in the
mountains of Central Asia. Bot.shur. 44 no.12:1717-1720 D '59.
(MIRA 13:4)

1. Botanicheskiy institut im. V.L.Komarova Akademii nauk SSSR,
Leningrad.

(Soviet Central Asia--Mountain ecology)
(Trees) (Shrubs)

VASIL'CHENKO, I.T.

Series of species. Bot.zhur. 44 no.10:1491-1494 0 '59.
(MIRA 13:4)

1. Botanicheskiy institut im. V.L.Komarova, Akademii nauk SSSR,
Leningrad.

(Botany--Classification)

BORISOVA, A.G.; BOCHANTSEV, V.P.; VASIL'CHENKO, I.T.; GOLUBKOVA, V.F.;
GORSHKOVA, S.G.; GRUBOV, V.I.; KIRPICHNIKOV, M.E.; SMOL'YANINOVA,
L.A.; TAMAMSHYAN, S.G.; TSVELEV, N.N.; TSVETKOVA, L.I.; YUZEP-
CHUK, S.V.; SHISHKIN, B.K., red.toma; BOBROV, Ya.G., doktor
biol.nauk, prof., red.: SMIRNOVA, A.V., tekhn.red.

[Compositae] Compositae. Moskva, Izd.-vo Akad.nauk SSSR, 1959.
630 p. (Akademiia nauk SSSR. Botanicheskii institut. Flora
SSSR, no.25) (MIRA 13:4)

(Compositae)

VASIL'CHENKO, Ivan Tikhonovich; BOBROV, Ye.G., prof., doktor biolog.
nauk, otv.red.; GOLOVNIK, M.I., red.izd-va; SMIRNOVA, A.V.,
tekhn.red.

[Tree and shrub seedlings; identification key] Vskhody
derev'ev i kustarnikov; opredelitel'. Moskva, Izd-vo Akad.
nauk SSSR, 1960. 294 p. (MIRA 13:2)
(Seedlings) (Trees) (Shrubs)

VASIL'CHENKO, I.T.; DZHANGULAZOV, A.V.

Protection of nature in the western part of the Gissar Range. Ochr.
prir. i zapov. delo v SSSR. no. 5:62-64, '60. (MLA 14:2)

1. Botanicheskiy institut im. V.I. Komarova AN SSSR i Tashkentskiy
sel'skokhozyaystvennyy institut.
(Gissar Range--fruit trees)

VASIL'CHENKO, I.T.; DZHANGULAZOV, P.K.

Protection of ancient tomb groves ("mazars") in Central Asia.
Ochr. prir. i zapov. delo v SSSR n .5:65-66 '60. (I.A 17:2)

1. Botanicheskiy institut im. V.L.Komarov AN SSSR i Tashkentskiy
sel'skokhozyaystvennyy institut.
(Uzbekistan—Nat'l monument)

VASIL'CHENKO, I.T.

Roses from the western part of the Gissar Range. Bot.
mat.Gerb. 20:217-230 '60. (MIRA 13:7)
(Gissar Range--Roses)

VASIL'CHENKO, I.T.

New species of the genus *Oxytropis* DC. Bot.mat.Gerb. 20:
231-250 '60. (MIRA 13:7)
(*Oxytropis*)

VASIL'CHENKO, I.T.

Germination in cucurbitaceous plants. Bot. zhur. 45 no.4:564-566
Ap '60. (MIRA 14:5)

1. Botanicheskiy institut im. V. L. Komarova AN SSSR, Leningrad.
(Vine crops)
(Germination)

VASIL'CHENKO, I.T.

Experimental taxonomy and principal trends in its development. Bot.
zhur. 45 no.11:1585-1599 II '60. (MIRA 13:11)

1. Botanicheskiy institut imeni V.I. Komarova Akademii nauk SSSR, Leningrad.
(Plants--Evolution) (Botanical research)

AFANAS'YEV, K.S.; BOCHANTSEV, V.P.; VASIL'CHENKO, I.T.; GORSHKOVA, S.G.;
IL'IN, M.M.; KIRPICHNIKOV, M.E.; KNORRING, O.E.; KUPRIYANOVA, L.A.;
POBEDIMOVA, Ye.G.; POLYAKOV, P.P.; POYARKOVA, A. I.; SMOL'YANINOVA, L.A.;
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VASIL CHENKO, I. V.

36-72-1/13

AUTHOR: Vasil'chenko, I. V.

TITLE: Proximate Thermodynamic Analysis of Local Ascending Currents in the Atmosphere (Priblizhennyi termodinamicheskiy analiz local'nykh voskhodyashchikh tokov v atmosfere)

PERIODICAL: Trudy Glavnoy geofizicheskoy observatorii, 1957, Nr 72, pp. 3-18 (USSR)

ABSTRACT: The author discusses convective movements of air in relation to local ascending currents in the atmosphere, and compares theoretical conclusions with experimental results. Tests have shown that in the initial stage a layer of air uniformly heated from below develops a distorted type of convection consisting of active separate air jets breaking through and compensated by passive and descending air masses. The direction of the circulation depends on the vertical temperature gradient within the layer. Computation of the vertical velocity of ascending currents and convective clouds is based on the vertical sounding of the atmosphere and a determination of the dependence of vertical velocity on atmospheric stratification. Equation systems and their solutions, boundary problems, and convective currents under stable weather conditions are discussed. The following authors are cited: Budyko, M. I., Lyapin, Ye. S., Vorontsov, P.A., Vul'fson, N. I..

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Vasilchenko, L. V.

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PHASE I BOOK EXPLOITATION

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Glavnaya geofizicheskaya observatoriya

Voprosy fiziki atmosfery (Problems in Physics of the Atmosphere) Leningrad, Gidrometeoizdat, 1959. 74 p. (Series: Its: Trudy, vyp. 82) Errata slip inserted. 1,250 copies printed.

Sponsoring Agency: Glavnoye upravleniye gidrometeorologicheskoy sluzhby pri Sovete Ministrov SSSR.

Ed. (Title page): N. S. Shishkin, Doctor of Physical and Mathematical Sciences; Ed. (Inside book): T. V. Ushakova; Tech. Ed.: M. I. Braynina.

PURPOSE: This issue of the Observatory's Transactions is intended for students and teachers of synoptic meteorology as well as for professionals in the field.

COVERAGE: This collection of articles is mainly concerned with the results of investigations on the physics of the atmosphere carried out in 1956-57 at the GGO, Division for the Physics of Free Atmosphere. The authors discuss the development (formation) and disintegration of convective clouds

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Problems in Physics (Cont.)

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and the relationship between the cloud structure and aircraft icing. A new method of affecting supercooled clouds is described. One article is devoted to an analysis of the frontal structure of anticyclones. References accompany each article.

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Lebedev, G. V. *Geofizicheskiye observatsionnye issledovaniya* A. I. Voznyakova
Voprosy fiziki atmosfery (Problems of the Atmosphere) Leningrad,
Gidrometeoizdat, 1959. 113 p. (Seria: *Uchiye knigi*, 77. 51) 1,500
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Sponsoring Agency: USSR, Soviet Ministry. Glavnyy upravleniye gidrometeor-
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M. (little page), (to G. V. Lebedev, Candidate of Physics and Mathematics),
M. (little page), (to G. V. Lebedev, Candidate of Physics and Mathematics),
M. (little page), (to G. V. Lebedev, Candidate of Physics and Mathematics).

PURPOSE: This publication is intended for specialists in meteorology, aerology,
and meteorological instrumentation.

CONTENT: This collection of twelve articles contains the results of studies done
under the auspices of the USSR Academy of Sciences. The first six
articles give the results of aerological investigations of the
structure of anticyclones and local winds. The last six articles cover the
methods of aerological investigation of atmospheric ozone, aerosols, con-
densation nuclei, and the chemical composition of atmospheric precipitation.
A description of new or improved instruments used in aerological investigations
is also given. References are given at the end of some articles.

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Yabluchan, I. I. The Problem of a Stationary Convective Current Different theories of several meteorologists concerning the problem of stationary convection current are analyzed. An attempt is made to arrive at a generally acceptable solution to this problem by solving a system of free convection equations, assuming that there is a power function relationship between the turbulence coefficient of the convective current and the altitude of the current source.	29
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The condition of atmospheric equilibrium above the condensation
level. Trudy GGO no.106:3-9 '61. (MIRA 14:10)

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(Atmosphere) (Meteorological instruments)

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ships. Trudy GGO no.140:84-94 '63. (MIRA 16:12)

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